

System and Method of Fluid Transfer Using Devices with Rotatable Housings**Abstract**

Embodiments of the present invention are directed toward systems and methods of transferring fluid using devices that have a rotatable housing. One embodiment of the invention attaches a fluid-drive element to a rotatable housing to drive fluid into a conduit for transfer. In another embodiment, a pitot tube is attached to the rotatable housing, the motion of the housing driving fluid into the conduit for transfer. Other embodiments of the invention may utilize a pressure difference to drive fluid through a conduit. Embodiments of the invention may also utilize baffles to alter circulation of fluid that may be induced by the motion of the rotating housing, to promote fluid transfer through a conduit. Some of the aforementioned embodiments may be especially useful in transporting fluid in a liquid ring pump with a rotatable housing.